High School to College and Career Pathway: Post-Secondary

Area of Study: Technology & Engineering Educ Pathway: Pre-Engineering

Region: Wasatch Front	**District:**	**School:**	**College/Institution: Salt Lake Community College** Articulation Agreement in place? Yes
Contact Person: Don Johnson		**Ph.#: 801 957-5807**	**Name of Degree: Mechanical Engineering Technology A.S.**
E-mail: don.johnson@slcc.edu		**Date: 04-16-07**	

High School				College		
Course Number	**High School Suggested Academic Courses**	**H.S. Credit**	**College Credits**	**Course Number**	**College General Education Requirements**	**College Credits**
	ENGL 1010 Intro to Writing*	1	3	ENGL 1010	Introduction to Writing	3
				ENGL 2010	Intermediate Writing	3
	MATH 1210 Calculus I*	1	4	MATH 1210	Calculus I	4
	HIST 1700 American Civilization*	1	3	HIST 1700	Amer Civilization *or* ECON 1740 *or* POLS 1100	3
	HLAC 1096*	.5	1	HLAC ____	Lifelong Wellness course	1
	COMM 1010*	1	3	COMM 1010	Elem Effect Comm *or* COMM 1020 Princ Pub Spk	3
	CIS 1020*	.5		CIS 1020	Computer Essentials or computer literacy	
	1 course from each area: BiolSci,* FineArts, Humani, Interdis, SocSci	5	15		Distribution: 1 course (3 credits) from each area: BiolSci, FineArts, Humanities, Interdisc, SocSci (ECON 1010 for SocSci)	15

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High School				College		
Course CIP #	**CTE Pathway Courses (credits for completion)**	**H.S. Credit**	**College Credits**	**Course #**	**College Major Course Requirements**	**College Credits**
Course #	**Foundation Courses: (2.50 required)**	**Credit**				
21.0104	Foundations of Technology	.50				
21.0115	Engineering Design	.50				
21.0116	Materials & Processing Electronics	.50				
21.0114	Pre-Engineering (capstone course)	1.00				
	Elective Courses: (choose 1.50 credits)					
48.0101	Drafting/CAD	1.00				
47.0105	Electronics	1.00				
52.0621	Entrepreneurship	.50				
08.0707	Marketing, Introduction	.50				
32.0199	Student Internship (Critical Workplce Skills)	.50				
				PHYS 2210	Physics for Science & Engineering I	4
				PHYS 2215	Physics for Science & Engineering Lab I	1
				EDDT 1100	Advanced AutoCAD	2
				EDDT 2340	Manufacturing Processes	3
				EDDT 2350	Manufacturing Lab	1
				EDDT 2540	Geometric Dimension & Tolerance	2
				EDDT 2600	3D CAD Modeling	3
				MAT 2650	CAD/CAM	2
	Additional Articulated Classes					
	CHEM 1110*	1	4 ⇨	CHEM1110	Elementary Chemistry	4
	CHEM 1115*		1 ⇨	CHEM 1115	Elementary Chemistry Lab	1
15.1302	CAD Drafting Technology*	.5	3 ⇨	EDDT 1040	Intro to AutoCAD (challenge test available)	3
48.0503	Machinist Technician CNC*	.5	3 ⇨	MAT 1500	Manual Machining	3
48.0503	Machinist Technician CNC*		1 ⇨	MAT 1510	Manual Machining Lab	1
TOTAL Potential Credits Earned in High School			**41**	**TOTAL Credits Required for Degree or Certificate**		**62**

Note: *This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering.* ***Note: *= concurrent ^= distant***

Note: *Requirements may change year-to-year. It is the student's responsibility to verify information by consulting with an SLCC department advisor.*

NOTE: FOR STUDENTSWISHING TO PURSUE A B.S. DEGREE, THIS SLCC PROGRAM IS DESIGNED TO TRANSFER INTO THE MECHANICAL ENGINEERING TECHNOLOGY BACHELOR OF SCIENCE AT WEBER STATE UNIVERSITY IN OGDEN, UTAH.